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At Christ Church Burying Ground, Fifth and Arch Streets, 3 P.M.

Ceremonies at the grave of Franklin under the auspices of the Grand Lodge of F. & A. M., of Pennsylvania. The delegates and members will assemble in the hall of the society, on Independence Square, at 2:30 o'clock and proceed to the grave of Franklin.

At the Bellevue-Stratford, Broad and Walnut Streets, 9 P.M. Reception.

Friday, April 20, at the American Academy of Music, Broad and Locust Streets, 11 A.M. The delegates, invited guests and members will meet in the foyer of the academy at 10:45 A.M.

Addresses in Commemoration of Benjamin Franklin.

HORACE HOWARD FURNESS, D.Litt. (Cantab.): 'As Citizen and Philanthropist.'

CHARLES WILLIAM ELIOT, LL.D.: 'As Printer and Philosopher.'

JOSEPH HODGES CHOATE, LL.D., D.C.L.: 'As Statesman and Diplomatist.'

Presentation of the Franklin Medal to the Republic of France (in accordance with the Act of Congress), by the HONORABLE ELIHU ROOT, secretary of state (by direction of the President).

7 P.M., dinner at the Bellevue-Stratford.

SCIENTIFIC NOTES AND NEWS.

THE National Academy of Sciences will hold its annual meeting at Washington, beginning on April 16.

DR. A. GRAHAM BELL has sailed for England; he will return in time to attend the meeting of the regents of the Smithsonian Institution on May 10.

PROFESSOR IRA N. HOLLIS has been appointed delegate of Harvard University at the fiftieth anniversary meeting of the Society of German Engineers, to be held at Berlin from June 11 to 14, 1906.

PROFESSOR EUGEN KÜHNEMANN, of the University of Bonn and at the same time rector of the Royal Academy organized at Posen in 1903, will lecture at Harvard University next year, representing Germany in the inter-

change of professors between Harvard University and the German government. Professor Kühnemann is known for his contributions to philosophy and literature.

THE students of Edinburgh University propose to honor Sir William Turner, principal of the university and formerly professor of anatomy, on the occasion of his having completed fifty years of active official academic connection with the university.

DR. C. J. KEYSER, Adrain professor of mathematics at Columbia University, has been elected a member of the Circolo Matematico di Palermo.

DR. G. A. SCHWALBE, professor of anatomy at Strasburg, has been elected a foreign member of the Swedish Academy of Sciences.

DR. A. HEIM, professor of geology at Zurich, has been elected a corresponding member of the Paris Academy of Sciences.

THE council of the Anthropological Institute of Great Britain and Ireland has appointed Professor F. W. Putnam, as its senior honorary fellow in America, to represent the institute at the meeting of the American Philosophical Society which is to be held next week in celebration of the bi-centenary of Benjamin Franklin. Dr. George Grant MacCurdy, of Yale University, will represent the Paris School of Anthropology and the Paris Society of Anthropology on the same occasion.

DR. HERMANN M. BIGGS, medical officer of the Board of Health of New York City, is to leave shortly to make a three months' official tour of inspection of the European hospitals and water filtration plants.

DR. DUNCAN S. JOHNSON, of the Johns Hopkins University, sailed for Jamaica on April 5 to spend two months at the Cinchona station of the New York Botanical Garden. He will be joined there by Messrs. W. D. Hoyt and I. F. Lewis, students at Johns Hopkins University. Dr. Forrest Shreve, Bruce fellow of the same institution, is spending the year at Cinchona in work on the physiology and ecology of the forest of the Blue Mountains.

PROFESSOR J. B. WOODWORTH, of Harvard University, will conduct a geological excursion to Yorktown, Va., during the April recess. The principal object of the expedition is to secure a collection of Miocene fossils.

A REUTER telegram states that M. Mylius Erichsen's Danish expedition to the northeast coast of Greenland will leave Copenhagen at the end of June, and will proceed *viâ* the Færøe Islands and east Iceland to the east Greenland pack-ice, through which the explorer expects to be able to penetrate into east Greenland between 57° and 77° northern lat. In addition to the Danish members, the exploring party will probably include Dr. A. Wegener, from Germany, as physicist and meteorologist, and Dr. Baron Firchs, from Russia, as geologist.

THE sum of \$23,000 has been subscribed for the Finsen memorial. The committee reports that \$9,500 will be used for a special memorial, and the balance will be devoted to enlarging the Finsen Light Institute.

DR. NATHANIAL SOUTHGATE SHALER, professor of geology at Harvard University and dean of the Lawrence Scientific School, died on April 10, aged sixty-five years.

WE regret to record the death, at the age of seventy-one years, of Dr. Weston Flint, formerly librarian of the Public Library, Washington, D. C., and secretary of the Anthropological Society of Washington.

PROFESSOR LIONEL S. BEALE, F.R.S., emeritus professor of medicine at King's College, London, well known for his publications on the microscope, died on March 28, at the age of seventy-eight years.

PROFESSOR ADOLF EMMERLING, docent for agricultural chemistry at Kiel, died on March 17, at the age of sixty-four years.

THERE will be on April 4 and 5 a civil service examination to fill vacancies in the positions of assistant geologist and geologic aid in the Geological Survey, at salaries ranging from \$1,000 to \$1,600 per annum.

THE advisory board of anatomists of the Wistar Institute, Philadelphia, will hold its annual meeting on April 16 to 18.

ACCORDING to a despatch received at the office of the department of terrestrial magnetism of the Carnegie Institution of Washington, the Yacht *Galilee* engaged in the magnetic survey of the Pacific Ocean arrived safely at Fanning Island on March 31, having accomplished the trip of 3,500 miles from San Diego in 29 days, besides executing successfully magnetic work along the entire cruise.

GOVERNOR HIGGINS, of New York, has recommended the creation of a commission to make arrangements for the celebration of the three-hundredth anniversary of the discovery of the Hudson River and the centenary of the use of steam in navigation on the river.

LORD RAYLEIGH presided at the annual meeting of the general board of the National Physical Laboratory on March 16. According to the abstract in the London *Times* the report of the executive committee showed progress in all directions. Some 14 scientific papers of importance have been published officially, while members of the staff have contributed nine others to various journals. The second volume of 'Collected Papers' is in course of preparation. The scheme of work for 1906 includes a research into the resistance of materials of construction to impact, the continuation of the wind pressure and steam researches, the completion of the work with the Ampere balance, and some experiments of great interest on the effect of the continued application of high pressure to insulators. In the metallurgical division a research into the properties of aluminium bronze promises interesting results. The report announced the intention of the government, communicated to the Royal Society in December last, to grant a sum of £5,000 for buildings during the year and the increase of the annual grant by £500. It referred also to the very successful meeting in the House of Commons last August, under the chairmanship of Mr. Haldane, which led up to a petition, signed by 150 members of the house, asking that the grants should be increased, and the chairman was able to an-

nounce that the chancellor of the exchequer had recently intimated his intention of making the building grant for the year £10,000, instead of £5,000 as originally contemplated. It was also stated that the Goldsmiths' Company had made a donation of £1,000 with the request that it should be devoted to some specific object.

MINISTER WILSON, of Brussels, transmits a Belgian invitation for American scientific men and geographical societies to participate in the proposed formation of an international association for the exploration of the polar regions. Among the inclosures from the minister is a circular letter from Mr. G. Lecointe, scientific director of the Royal Observatory of Belgium, who furnishes a report of a special committee of the Congress of Mons relative to the study of the polar regions. This committee was appointed during a session of the congress in September, 1905, under the auspices of His Majesty King Leopold II., and the presidency of Mr. Beernaert, minister of state, to formulate plans for the formation of an international polar-region association. The Belgian government is not as yet officially identified with the proposed association. The present purpose of the committee having the matter in charge, is simply to invite an exchange of views between scientific organizations, official or otherwise. The minister also incloses a pamphlet entitled 'Projet d'une exploration systématique des régions polaires,' by Henryk Arctowski, a member of the recent Belgian expedition to antarctic regions.

At the annual meeting of the Audubon Society of the state of New York, which was held at the American Museum of Natural History, New York City, on Friday, March 16, 1906, Mr. Frank M. Chapman presiding, the following resolutions were unanimously carried by the members present:

WHEREAS, The legislature of the state has by wise enactments provided that no game of any kind shall be sold during the closed season, and

WHEREAS, The court of appeals has unanimously pronounced such legislation necessary in order to protect the native game of the state, and

WHEREAS, The said court of appeals has also unanimously pronounced such legislation constitutional, therefore be it

Resolved, That the Audubon Society of the state of New York protests most emphatically against the passage of any bill to modify or change the present law or that will permit any corporation or persons to sell foreign game in this state during the closed season, and

Resolved, That the Audubon Society is opposed to any special legislation for the benefit of a few persons at the expense of and against the interest of the majority of the citizens of the state, and

Resolved, That copies of these resolutions be sent by the secretary to the Forest, Fish and Game Commission, the members of the legislature and to the press of the state.

UNIVERSITY AND EDUCATIONAL NEWS.

ADELBERT COLLEGE, Western Reserve University, has received \$150,000 from the grandchildren of Joseph Perkins, formerly a trustee of the college. The money is to be used for a department of sociology and a chemical laboratory.

PLANS have been completed for the construction of the new buildings for the mining department of the University of Idaho at Moscow. It is estimated that the two buildings will cost \$40,000, exclusive of apparatus. The appropriation was made by the last Idaho legislature for this purpose. The metallurgical building, 96 x 68 feet, will contain ten ore bins, giving a total capacity of fifty tons. The ore will be conveyed by automatic apparatus to the crushing and sampling departments.

IN August, 1908, the University of Jena will celebrate the three hundred and fiftieth anniversary of its foundation.

DR. EDW. ANTHONY SPITZKA, fellow and demonstrator of anatomy, College of Physicians and Surgeons (Columbia), has been elected professor of general anatomy at Jefferson Medical College, Philadelphia.

DR. HUGH M'LEAN, senior assistant in physiology, has been appointed lecturer in chemical physiology, in Aberdeen University.